POISON CHEMISTRY - WHITE ARSENIC

Arsenic is a notorious poison; colourless, odourless white arsenic was a popular choice for poisoners, and was commonly known as 'The King of Poisons'.

HISTORY



White arsenic has been known for centuries. In Ancient Rome, Nero's supposed use of it to poison his brother & become emperor is one of the first documented cases.



In the 17th & 18th centuries, white arsenic's use as a poison was widespread, and earned it the nickname 'inheritance powder'. However, its usage as a poison rapidly declined after the development of chemical tests.

Around 50,000 tonnes of arsenic trioxide are still produced annually, and used as a precursor to a range of compounds. It's also been used as a treatment for some leukaemias.

EFFECTS



HEADACHE

STOMACH PAIN &

DIARRHOEA







HAIR LOSS

BREATH SMELLS VOMITING & METALLIC TASTE

CONVULSIONS



CONVULSIONS. COMA & DEATH

OF GARLIC

Symptoms usually appear around 30 minutes after ingestion. Arsenic interferes with cell enzymes, respiration and mitosis. The skin, lungs, kidneys and liver are the major organs affected, with death occuring either from circulatory inefficiency, or liver or kidney failure.





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Modern spectroscopic methods are now used instead of this test.

